

00207T"50280260

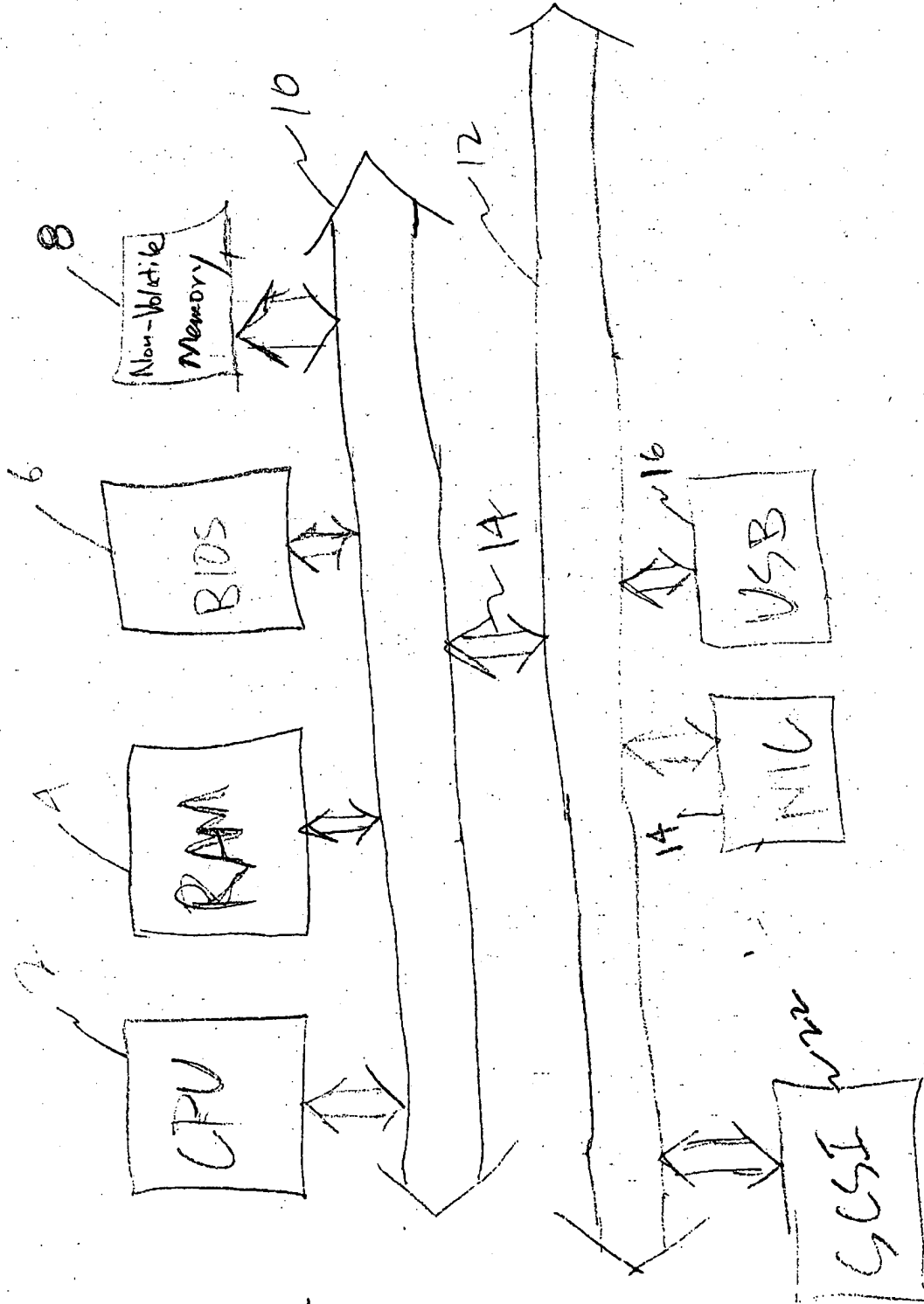


Figure 1

00707T"50220260

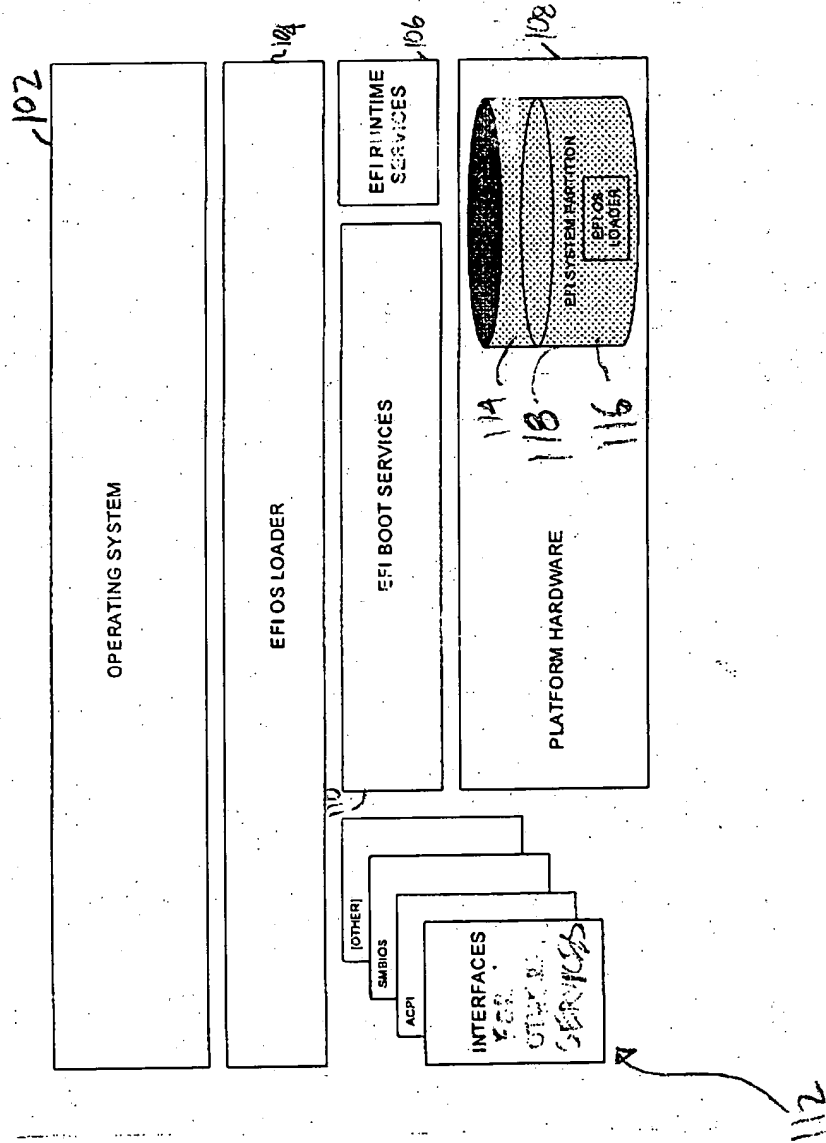


Figure 2

200

09708205.110700

Firmware loads the diagnostic test as an EFI driver and its entry point function is called.

202

In the diagnostic driver's entry point function do the following
 > **CreateEvent(EVT_SIGNAL_VIRTUAL_ADDRESS_CHANGE, TPL_NOTIFY, CallbackFunctionForPointerFixup,);**
 > **InstallConfigurationTable(DiagsGUIDXYZ, &DiagnosticMain);**

204

Firmware does other things and the OS is being booted

206

OS/OS loader called SetVirtualAddressMap()

208

Yes. EVT_SIGNAL_VIRTUAL_ADDRESS_CHANGE is signaled.

CallbackFunctionForPointerFixup will be invoked and that will Update any internal pointers, addresses using the ConvertPointer() function

210

OS is successfully booted

212

Applications can locate the diagnostic test by Finding the GUID DiagsGUIDXYZ in EFI system table. This entry will have the pointer for the diagnostic test entry point.

214

Figure 3